PTO/SB/68 (09-06) Approved for use through 3/31/2007. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

| REQUEST FOR ACCESS TO AN A  | ABANDONED APPLICATION UNDER 37 CFR 1.14  |  |  |  |
|---|--|--|--|--|
|   | In re Application of   |  |  |  |
| Bring completed form to: File Information Unit, Room 2E04   |  |  |  |  |
| 2900 Crystal Drive  | Application Number Filed   |  |  |  |
| Arlington, VA 22202-3514  | 08 /750641   |  |  |  |
| Telephone: (703) 308-2733   |  |  |  |  |
|   | Paper No   |  |  |  |
| application, which is not within the file jacke   | a)(1)(iv) to the application file record of the above-identified ABANDONED et of a pending Continued Prosecution Application (CPA) (37 CFR 1.53(d)) efit is claimed, in the following document (as shown in the attachment): |  |  |  |
| United States Patent Application Pub  | blication No, page, line   |  |  |  |
| United States Patent Number <u>59</u>   | . 11   |  |  |  |
| WIPO Pub. No  | , page, line File Information Unit   |  |  |  |
| Mrapper System (IFW) and Access to Pending Applications in General  A member of the public, acting without a power to inspect, cannot order applications maintained in the IFW system through the FIU. If the member of the public is entitled to a copy of the application file, then the file is made available through the Public Patent Application Information Retrieval system (Public PAIR) on the USPTO internet web site (www.uspto.gov). Terminals that allow access to Public PAIR are available in the Public Search Room. The member of the public may also be entitled to obtain a copy of all or part of the application file upon payment of the appropriate fee. Such copies must be purchased through the Office of Public Records upon payment of the appropriate fee (37 CFR 1.19(b)).  For published applications that are still pending, a member of the public may obtain a copy of: the file contents; the pending application as originally filed; or any document in the file of the pending application.  For unpublished applications that are still pending:  (1) If the benefit of the pending application is claimed under 35 U.S.C. 119(e), 120, 121, or 365 in another application that has: (a) issued as a U.S. patent, or (b) published as a statutory invention registration, a U.S. patent application publication, or an international patent application in accordance with PCT Article 21(2), a member of the public may obtain a copy of: the file contents; the pending application as originally filed; or any document in the file of the pending application.  (2) If the application is incorporated by reference or otherwise identified in a U.S. patent, a statutory invention registration, a U.S. patent application publication, or an international patent application publication in accordance with PCT Article 21(2), a member of the public may obtain a copy of the pending application as originally filed. |  |  |  |  |
| Thoush Ghaypor  |  |  |  |  |
| Signature   | Date   |  |  |  |
| Typed of printed r  | name FOR PTO USE ONLY  |  |  |  |
| •   |  |  |  |  |
| Registration Number, if   | Approved by: 1 1 2008 (initials)   |  |  |  |
| 703-553-000   | 9 D Unite Information  |  |  |  |
| Telephone Num   |  |  |  |  |

This collection of information is required by 37 CFR 1.11 and 1.14. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. BRING TO: File Information Unit, Room 2E04, 2900 Crystal Drive, Arlington, Virginia.



# United States Patent [19]

# Kanemitsu

**\***-- '

[11] Patent Number:

5,940,803

[45] Date of Patent:

Aug. 17, 1999

# 

# [56] References Cited

#### U.S. PATENT DOCUMENTS

U.S. Cl. ...... 705/6; 705/6; 705/5; 701/201

Field of Search ...... 705/5, 6; 701/201

| 4,796,189 | 1/1989  | Nakayama et al  | 701/209 |
|-----------|---------|-----------------|---------|
| 4,926,336 | 5/1990  | Yamada          | 701/202 |
| 5,031,104 | 7/1991  | Ikeda et al     | 701/209 |
| 5,231,584 | 7/1993  | Nimura et al    | 701/202 |
| 5,237,499 | 8/1993  | Garback         | 705/5   |
| 5,272,638 | 12/1993 | Martin et al    | 701/202 |
| 5,331,546 | 7/1994  | Webber et al    | 705/6   |
| 5,353,034 | 10/1994 | Sato et al      | 342/457 |
| 5,377,113 | 12/1994 | Shibazaki et al | 701/209 |
| 5,559,707 | 9/1996  | Delorme et al   | 701/200 |
| 5,568,390 | 10/1996 | Hirota et al    | 701/201 |

# FOREIGN PATENT DOCUMENTS

| 0532158  | 3/1993  | European Pat. Off |
|----------|---------|-------------------|
| 0567992  | 11/1993 | European Pat. Off |
| 0638887  | 2/1995  | European Pat. Off |
| 0660289  | 6/1995  | European Pat. Off |
| 0669586  | 8/1995  | European Pat. Off |
| 4-213761 | 8/1992  | Japan .           |
| 5-313583 | 11/1993 | Japan .           |
| 7-055484 | 3/1995  | Ianan             |

#### OTHER PUBLICATIONS

Tripmaker 1996 Edition(TM) Shifts Trip Planning into High Gear with Multimedia Features, Newswire; Sep. 14, 1995. Robotics, CIM and Automation, Emerging Technologies, San Diego, Nov. 9–13, 1992, vol. 2 of 3, Nov. 9, 1992, Institute of Electrical and Electronics Engineers, pp. 902–906, Abe K et al: "A Planning Method Combining Rule-Bases and Optimization Algorithms For Transportation Network" p. 902, left-hand col., line 1—p. 903, right-hand col., line 16:figure 2.

Management Science, vol. 25, No. 12, Dec. 1979, USA, pp. 1197–1207, Zoltners A.A. et al.: "An Optimal Algorithm for Sales Representative Time Management" p. 1198, line 7—p. 1199, line 39.

IBM Technical Disclosure Bulletin, vol. 37, No. 4A, Apr. 1, 1994, p. 567 Entertainment Guide Enabling:.

Proceedings of the Vehicle Navigation and Information Systems Conference, Oslo, Sep. 2–4, 1992, No. Conf. 3, Sep. 2, 1992, Olaussen L; Helli E, pp. 14–19, Anagnostopoulos P et al: "Pan–Drive: A Vehicle Navigation and Rout Guidance System" p. 15, line 27 –line 41, p. 14, line 1 –line 8

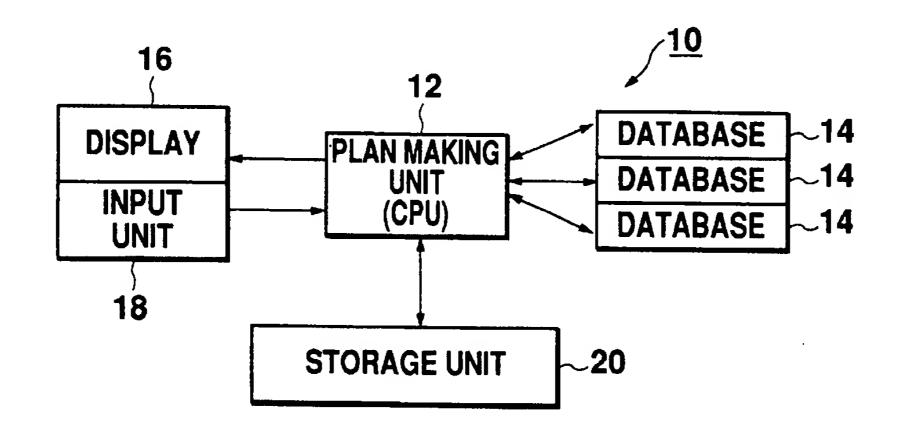
### (List continued on next page.)

Primary Examiner—Allen R. MacDonald
Assistant Examiner—Jagdish Patel
Attorney, Agent, or Firm—Pillsbury Madison & Sutro LLP

# [57] ABSTRACT

An itinerary making system for preparing an itinerary according which facilities can be used timely, by a simple inputting operation. When a traveler enters desired facility information and visiting purposes through an input unit, a plan preparing unit retrieves from a database a recommended route for arriving at the subject facilities and recommended visiting times for using the facilities according to each visiting purpose. A plan preparing unit prepares a time schedule based on the retrieved recommended visiting time, prepares an itinerary according to which a traveler can arrive at desired facilities at an appropriate time, and shows the itinerary on a display.

# 17 Claims, 12 Drawing Sheets



## OTHER PUBLICATIONS

Patent Abstracts of Japan, vol. 96, No. 7, Jul. 31, 1996 & JP 08 075493 A, Mar. 22, 1996.

Robotics, CIM and Automation, Emerging Technologies, San Diego, Nov. 9–13, 1992, vol. 2 of 3, Nov. 9, 1992, Institute of Electrical and Electronics Engineers, pp. 902–906, Abe K et al: "A Planning Method Combining Rule-Bases and Optimization Algorithms For Transportation Network".

Patent Abstracts of Japan, vol. 96, No. 005, May 31, 1996 & JP 08 022595 A (Alpine Electron Inc), Jan. 23, 1996.

Proceedings of the International Conference on Genetic Algorithms, University of Illinois, Urbana-Champaign, Jul. 17-21, 1993, No. Conf. 5, Jul. 17, 1993, Forrest S. pp. 506-513, Thangiah S R et al: "Vehicle Routing With Time Deadlines Using Genetic and Local Algorithms" p. 507, left-hand col., line 24-p. 507, left-hand col., line 7. IBM Technical Disclosure Bulletin, vol. 38, No. 4, Apr. 1,

1995, pp. 501–503, "Multi-Product Delivery System Optimization Procedure".

Patent Abstracts of Japan, vol. 96, No. 001, May 31, 1996 & JP 08 005391 A, Jan. 12, 1996.

Patent Abstracts of Japan, vol. 012, No. 300 (P-745), Aug. 16, 1988 & JP 63 073371 A, Apr. 2, 1988.

Kato et al: "System for Providing Recommended Routes in Sightseeing Spots by Using Fuzzy Theory", Information Processing Society of Japan, Lecture Transactions (III) from the 40th General Convention, Mar. 14 to 16, 1990, pp. 1572–1573; see English Abstract.

Kato et al: "Basic Examination on System for Planning Domestic Tourism Program", Information Processing Society of Japan, Lecture Transactions (I) from the 41st General Convention, Sep. 4 to 6, 1990, pp. 265–266; see English Abstract.

Suzuki et al: "A Travel Consultation System: Towards a Smooth Conversation in Japanese", Lecture Notes In Computer Science, vol. 221, 1986,pp. 226-235.

U.S. application No. 08/750,641, Sato et al.

U.S. application No. 08/786,042, Kanemitsu.

U.S. application No. 08/785,985, Morita.